Shortage of electricity

2264. SHRI SU. THIRUNAVUKKARASAR: Will the Minister of POWER be pleased to state:

(a) what is the total shortage of electricity in the country, State-wise;

(b) what steps have been taken and the amount of money allocated for electricity generation by the Ministry, to meet the shortage of electricity; and

(c) what is the expected year-wise electricity generation for the next five years?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI JAIRAM RAMESH): (a) The state-wise details of requirement, availability and shortage of electricity in the country both in terms of energy and peak for the period April - November, 2008 are given in the Statement. (*See below*)

(b) The measures taken/being taken to improve power generation in the country include capacity addition target of 78,700 MW in respect of utility power plants during the Eleventh Five Year Plan, close monitoring and review of capacity addition of the on-going power generation projects, development of a number of Ultra Mega Power Projects of 4000 MW each under tariff-based competitive bidding, harnessing surplus captive power into grid, import of coal to bridge the gap between domestic availability of coal and its requirement, *etc.*

The approved outlay for the central public sector undertakings (CPSUs) under the Ministry of Power for the year 2008-09 is Rs. 34,760.10 crore (comprising IEBR of Rs. 34,460.10 crore and GBS of Rs. 300.00 crore) which includes outlay for power generation projects as well.

(c) The targets for power generation are decided on a year to year basis. The target of power generation for the year 2008-09 has been fixed at 774.34 Billion Units.

Statement

Power Supply Position

State / System Region	Figures in MU net Energy April to November, 2008				Figures in MW net Peak April to November, 2008			
	Require-ment (MU)	Availa-bility (MU)	Surplus/Deficit (-) (MU)	(%)	Peak Demand (MW)	Peak Met (MW)	Surplus/Deficit (-) (MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	1,010	1,010	0	0.0	279	279	0	0.0
Delhi	16,153	16,060	-93	-0.6	4036	4034	-2	0.0
Haryana	19,829	17,863	-1,966	-9.9	5511	4791	-720	-13.1
Himachal Pradesh	4,115	4,087	-28	-0.7	997	983	-14	-1.4

1	2	3	4	5	6	7	8	9
Jammu and Kashmir	6,852	5,320	-1,532	-22.4	2000	1320	-680	-34.0
Punjab	29,878	26,849	-3,029	-10.1	8690	7309	-1381	-15.9
Rajasthan	23,562	23,238	-324	-1.4	5772	5451	-321	-5.6
Uttar Pradesh	43,966	36,050	-7,916	-18.0	10587	8222	-2365	-22.3
Uttarakhand	5,079	5,047	-32	-0.6	1251	1251	0	0.0
Northern Region	150,444	135,524	-14,920	-9.9	33034	29504	-3530	-10.7
Chhattisgarh	10,132	9,843	-289	-2.9	2582	2266	-316	-12.2
Gujarat	45,682	40,065	-5,617	-12.3	11841	8817	-3024	-25.5
Madhya Pradesh	25,788	22,107	-3,681	-14.3	7564	6810	-754	-10.0
Maharashtra	79,265	62,941	-16,324	-20.6	18049	13375	-4674	-25.9
Daman and Diu	1,184	1,037	-147	-12.4	225	200	-25	-11.1
Dadra and Nagar Haveli	2,374	2,289	-85	-3.6	466	434	-32	-6.9
Goa	1,838	1,811	-27	-1.5	464	413	-51	-11.0
Western Region	166,263	140,093	-26,170	-15.7	37240	29603	-7637	-20.5
Andhra Pradesh	46,524	43,216	-3,308	-7.1	10289	9374	-915	-8.9
Karnataka	27,262	25,676	-1,586	-5.8	6235	5595	-640	-10.3
Kerala	11,637	10,273	-1,364	-11.7	3120	2748	-372	-11.9
Tamil Nadu	47,780	44,029	-3,751	-7.9	9750	9211	-539	-5.5
Puducherry	1,375	1,194	-181	-13.2	304	275	-29	-9.5
Lakshadweep#	16	16	0	0	6	6	0	0.0
Southern Region	134,578	124,388	-10,190	-7.6	27184	25035	-2149	-7.9
Bihar	7,176	5,867	-1,309	-18.2	1944	1333	-611	-31.4
DVC	9,271	9,049	-222	-2.4	2217	2178	-39	-1.8
Jharkhand	3,466	3,261	-205	-5.9	872	865	-7	-0.8
Orissa	13,620	13,392	-228	-1.7	3040	2958	-82	-2.7
West Bengal	21,295	20,512	-783	-3.7	5177	4918	-259	-5.0
Sikkim	198	193	-5	-2.5	63	61	-2	-3.2
Andaman and Nicobar #	156	124	-32	-20.5	40	38	-2	-5.0

1	2	3	4	5	6	7	8	9
Eastern Region	55,026	52,274	-2,752	-5.0	12901	11664	-1237	-9.6
ArunachalPradesh	318	190	-128	-40.3	130	79	-51	-39.2
Assam	3,583	3,151	-432	-12.1	958	787	-171	-17.8
Manipur	390	347	-43	-11.0	128	95	-33	-25.8
Meghalaya	1,247	983	-264	-21.2	457	293	-164	-35.9
Mizoram	215	176	-39	-18.1	100	56	-44	-44.0
Nagaland	276	266	-10	-3.6	95	86	-9	-9.5
Tripura	549	504	-45	-8.2	167	156	-11	-6.6
North-Eastern Region	6,578	5,617	-961	-14.6	1820	1358	-462	-25.4
All India	512,889	457,896	-54,993	-10.7	109809	94634	-15175	-13.8

#Lakshadweep and Andaman and Nicobar Islands are stand-alone systems, power supply position of these, does not form part of regional requirement and availability

Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Tariff-based bidding for power transmission

2265. SHRI N. K. SINGH: Will the Minister of POWER be pleased to state:

(a) the progress achieved, so far, in implementation of the tariff-based competitive bidding guidelines for transmission projects; and

(b) by when an integrated national grid is likely to be fully completed?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI JAIRAM RAMESH): (a) As envisaged under the provisions of Section 63 of the Electricity Act, 2003, the National Electricity Policy and the Tariff Policy, the Ministry of Power had issued "Guidelines for Encouraging Competition in Development of Transmission Projects and Tariff Based Competitive Bidding Guidelines for Transmission Services". Under the Guidelines an Empowered Committee was set up to facilitate the development of private sector participation through the competitive bidding process. The Empowered Committee headed by Member, Central Electricity Regulatory Commission (CERC) is already in place. Standard Bidding Documents as required under the Guidelines including Request for Qualification (RfQ), Request for Proposal (RfP) and Transmission Service Agreement (TSA) have been issued by the Ministry.

Rural Electrification Corporation (REC) and Power Finance Corporation (PFC) have formed Special Purpose Vehicles (SPVs) to coordinate the bid process for procurement of transmission services. RfQs for three transmission projects identified by the Empowered Committee for selection of